

FACILITY STATUS CHANGE FORM

Date Submitted: August 1, 2013 Originator: Chris Strand Phone: 554-2720	Area: 300 Area Facility ID: 3731 and 3731A Action Memorandum: Action Memorandum #1	Control #: D4-300-089
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This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

- ☒ All D4 operations required by action memo complete.
- ☐ D4 operations required by action memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:

Deactivation: Utility isolations were performed on the facilities prior to beginning removal actions.

The following hazardous materials were removed from both facilities prior to demolition; freon, oils, lights, batteries, lead, PCB containing items, and asbestos containing materials (ACM). ACM was removed by certified asbestos workers.

Demolition: The above-grade portions of 3731 and 3731A were demolished in October, 2007. Below-grade demolition of both slabs and foundations were completed in July of 2013. The common excavation area was backfilled to grade with clean fill. Above-grade building and slab debris from demolition was removed and disposed of at ERDF. The demolition was performed under Radiological and Industrial Hygiene controls.

Description of Deferral (as applicable):

N/A

Section 2: Underlying Soil Status

- ☒ No waste site(s) present. No additional actions anticipated.
- ☐ Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.
- ☐ Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned. Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:

All above-grade structures and foundations were removed. The common excavation was backfilled to grade with clean fill. GPERS surveys were performed prior to backfill. No radiological or Industrial Hygiene postings remain.


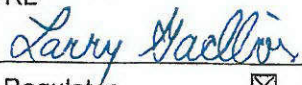
Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):

Three rejected UIC wells located on the east side of 3731 were removed; 300-189, 300-190, and 300-191.

Section 3: List of Attachments

1. Facility information (building histories and characterization).
2. Project photographs.
3. GPERS Surveys of the common 3731 and 3731A excavation.

FACILITY STATUS CHANGE FORM

		8/5/2013
DOE-RL		Date
		Aug 5, 2013
Lead Regulator	<input checked="" type="checkbox"/> EPA <input type="checkbox"/> Ecology	Date

DISTRIBUTION:

EPA: Larry Gadbois, B1-46

Ecology: Rick Bond, H0-57

DOE: Rudy Guercia, A3-04

Document Control, H0-30

Administrative Record, H6-08 (300-FF-2 OU)

SIS Coordinator: Ben Cowin, H4-22

D4 EPL: Chris Strand, L4-45

Sample Design/Cleanup Verification: Theresa Howell, H4-22

FR Engineering: Eric Ison, L4-32

FR EPL: Chris Strand, L4-45

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Attachment 1: Facility Information

Building Histories:

3731 Graphite Storage Building

The building was originally an Army Mess Hall that was relocated to just north of Apple St in the 300 Area in 1961. The building was a 40 ft x 80 ft metal structure with aluminum siding, frame, trusses, and roofing. The metal building sat on a concrete block foundation with a concrete slab floor. The 3731A Building was located immediately adjacent to the west wall of the 3731 Building.

The 3731 Building was originally used for graphite storage supporting machining operations in the adjacent 3731A Building. From 1968 to 1987, the 3731 Building was converted to a fissile material storage facility. In later years of operation, 1980 on, the building housed special nuclear material shipping containers fabrication activities.

3731A Graphite Machine Shop

The 3731A Building was constructed in 1966 and operated as a "cold" Graphite Machine Shop. The building was located immediately adjacent (to the west) of the 3731 Building. The 3731A Building was 40 ft x 80 ft concrete block structure on a concrete slab with a pitched wooden truss roof.

The 3731A building housed cold graphite machining operations and that was supported by a large industrial dust collector system. The dust collector pulled air/dust from vacuum hoses at work stations via ducts below the floor of the building and exhausted through a bag-house stack assembly located on the northwest corner of the building.

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected prior to demolition.

Table 1. Summary of Characterization Surveys at 3731

Type	Date	Documented In	Results Summary
Asbestos	June 7, 2006	CCN # 128135	Category I and II ACM identified in several forms (flooring and mastics).
IH Surveys and Beryllium Characterization	December 21, 2005 May 24, 2012	CCN# 125094 CCN# 165997 (slab only)	Building determined to be Be free. All other contaminants of concern below action levels.
Radiological Surveys	January, 2005	RSR-300PS-05-1185	No radiological contamination identified.

Table 2. Summary of Characterization Surveys at 3731A

Type	Date	Documented In	Results Summary
Asbestos	June 7, 2006	CCN # 128135	Category I and II ACM identified in several forms (flooring and mastics).
IH Surveys and Beryllium Characterization	December 21, 2005 May 24, 2012	CCN# 125094 CCN# 165997 (slab only)	Building determined to be Be free. All other contaminants of concern below action levels.
Radiological Surveys	January, 2005	RSR-300PS-05-1185	No radiological contamination identified.

Associated WIDS sites:

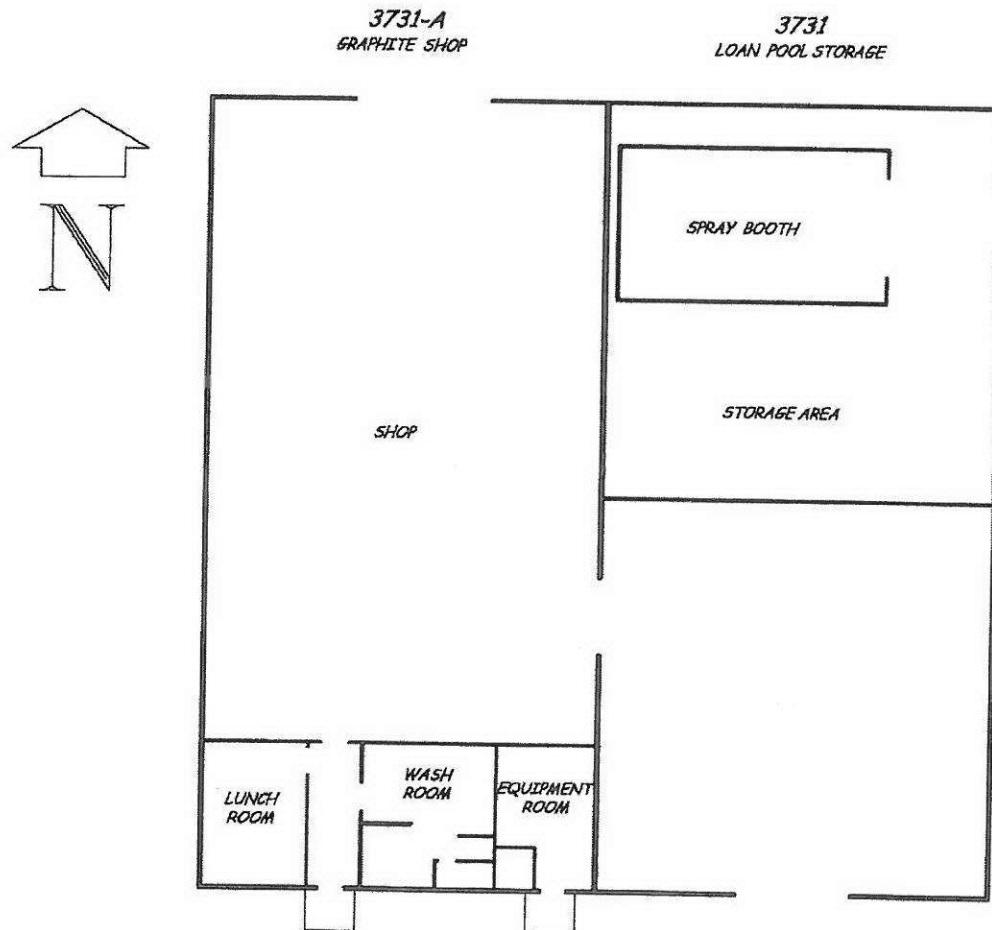
Three rejected UIC wells located on the east side of the 3731 Building were removed; 300-189, 300-190, and 300-191.

Anomalies Discovered During Demolition.

No anomalies were discovered during demolition. Soils beneath the slab and foundation displayed no visual evidence of staining or discoloration. Final GPERS surveys of the common excavation following below-grade demolition identified no radiological contamination.

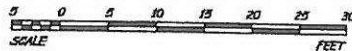
Attachment 2: Project Photographs

Figure 1: 3731 and 3731A Floor Plans.

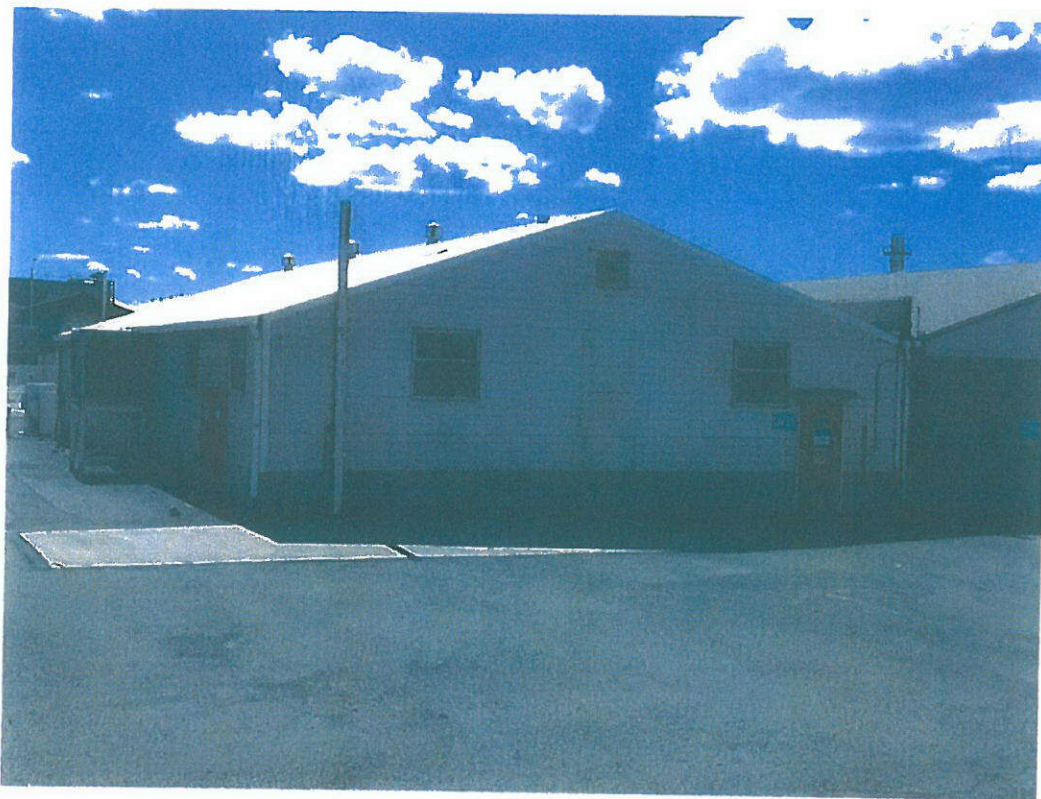


3731 & 3731-A BUILDING FLOOR PLAN

NOTE: DIGITIZED FROM DRAWINGS H-3-27939



Photograph 1. 3731 Building, looking south on March 31, 2006.



Photograph 2. 3731A Building, looking northeast on December 5, 2005.



Photograph 3. 3731/3731A Slabs prior to demolition, looking north June 4, 2013.



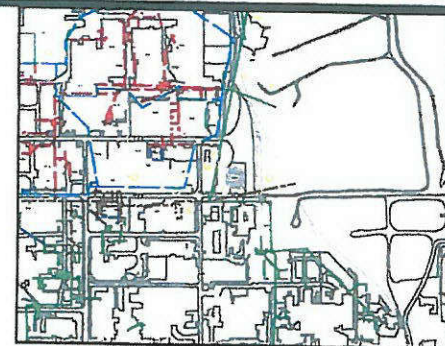
Photograph 4. 3731/3731 site backfilled, looking north on July 18, 2013.



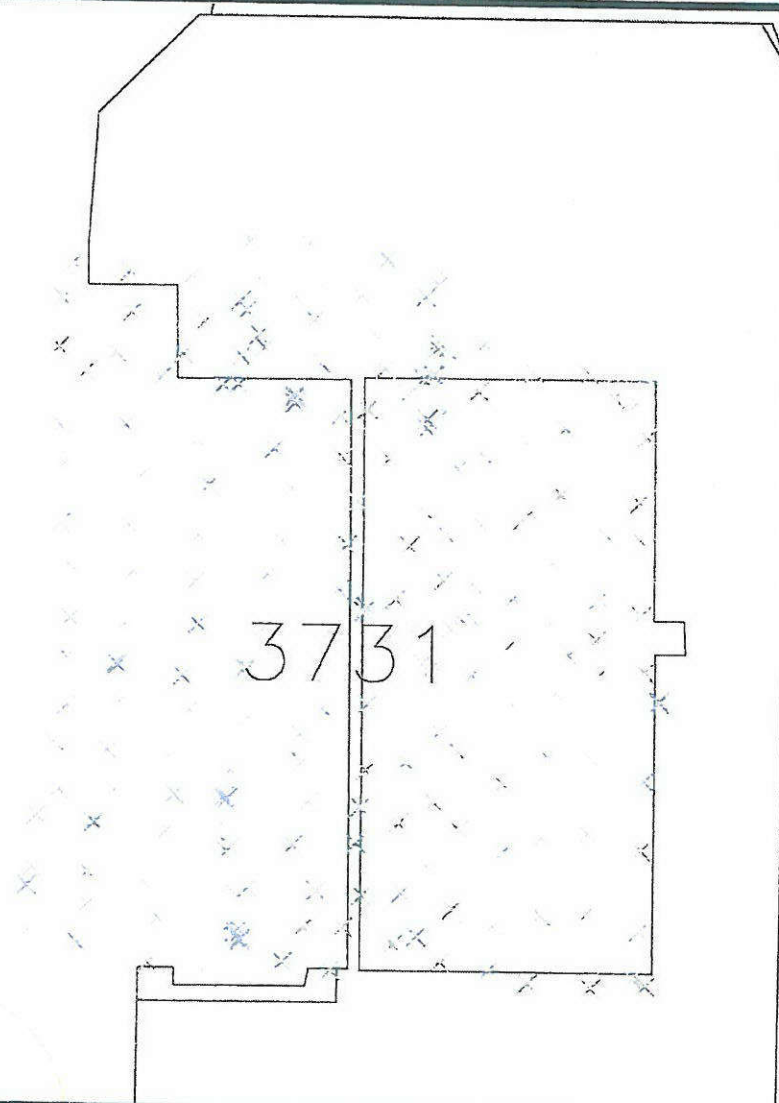
**Attachment 3: GPERS Surveys of the 3731/3731A Excavation
(Beta and Gamma)**



Bkg Location
330 m NNW
335 cpm



Site View



Copy

Legend

NET CPM

- × <502
- 502 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4_177
Number of Data Pnts: 218
Type of Survey: beta
Max GCPM: 615
Avg Bkg CPM: 335
Survey Date: 6/26/2013
Area Surveyed: 757 m²
Project File: ESRFRM130051B
Pdf File: ESRFRM130051BC

300 Field Remediation 3731/3731A GPERS Radiological Survey Beta Track Map

0 2 4 6 8 10
Meters

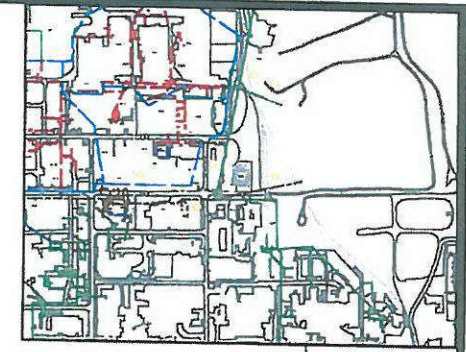
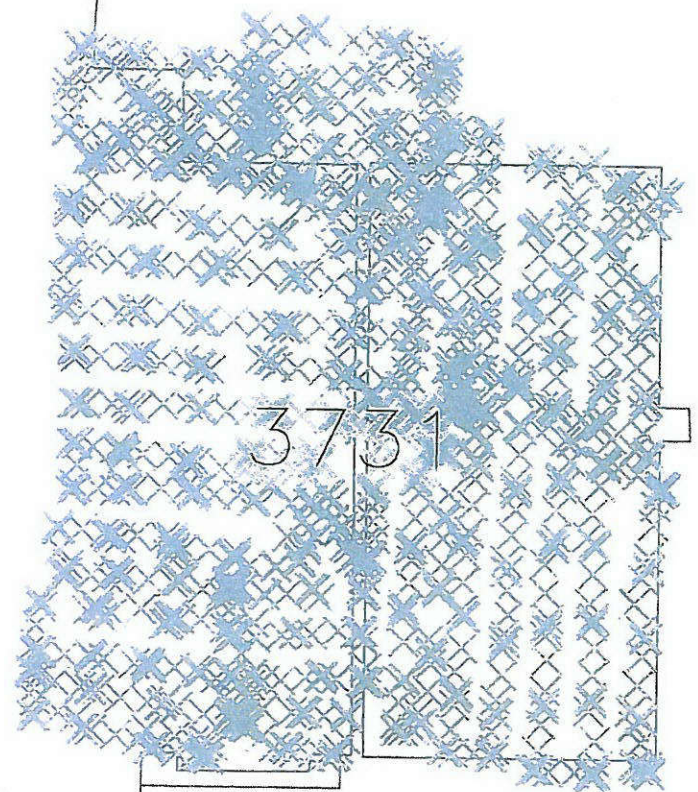


EBERLINE
SERVICES

Survey Map Prepared By Bruce Coomer, ESI



Bkg Location
330 m NNW
1146 cpm



Site View

Copy

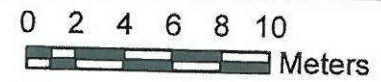
Legend

- NET CPM
- X <1719
 - 1719 - 5000
 - 5000 - 10000
 - 10000 - 25000
 - 25000

Summary Statistics

Coverage File: D4_177
Number of Data Pnts: 2598
Type of Survey: gamma
Max GCPM: 1816
Avg Bkg CPM: 1146
Survey Date: 6/26/2013
Area Surveyed: 757 m²
Project File: ESRFRM130051G
Pdf File: ESRFRM130051GC

300 Field Remediation 3731/3731A GPERS Radiological Survey Gamma Track Map



Survey Map Prepared By Bruce Coomer, ESI